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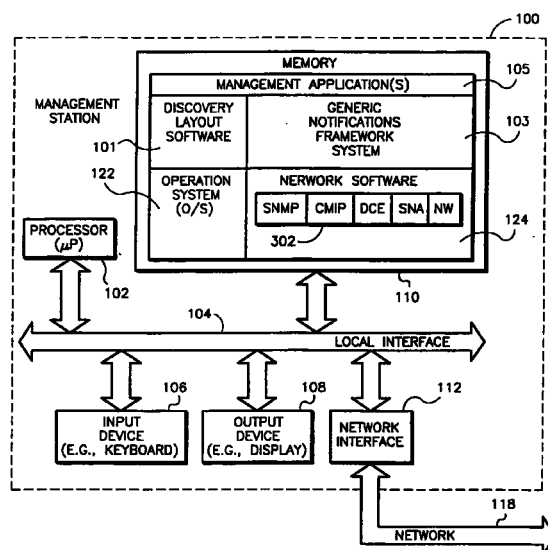
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(54) **Method for enhancing operation of a network management system**

(57) A generic notifications framework (GNF) system (103) integrates information from different protocols (302) in a management station (100) interfaced with a network (118) and permits correlation of the information to make more sophisticated management decisions. The generic notifications framework system (103) has one or more protocol-specific translators (252) in communication with the network (118), a generic notifications framework (254) in communication with the translators (252), and one or more consumer components (534) in communication with the framework (254). The translators (252) receive event data elements (424c) corresponding with different management protocols (302) from the network (118) and translate the event data elements (424c) into respective canonical data structures (424). Each of the canonical data structures (424) includes (a) a generic field (424a) that is common to generally all of the canonical data structures (424), (b) one or more attribute fields (427) generated by the translator (252) based upon an examination of a protocol data unit (PDU) (424c) associated with each of the event data elements (424c), and (c) a protocol data unit (PDU) (424c) that is generally identical to the native PDU that arrived with the event data element. Consumer components (534) register with the framework (254) to receive any canonical data structures (424) having particular attribute fields (427). The generic notifications framework (254) forwards the appropriate canonical data structures (424) to appropriate con-

sumer components (534) based upon the attribute field (427) values. A correlator (1406) may be associated with the framework (254) to correlate the canonical data structures (424) to derive an intelligent event data element, which is essentially the result of an assimilation and logical evaluation of various event data elements (424c).



**FIG. 1**



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# EUROPEAN SEARCH REPORT

Application Number  
EP 97 10 0616

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Y	* abstract *	2,8,10	
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A	* the whole document *	1,3-7,9	
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The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 21 January 1999	Examiner Cichra, M
<div>CATEGORY OF CITED DOCUMENTS</div> <div> X : particularly relevant if taken alone  Y : particularly relevant if combined with another document of the same category  A : technological background  O : non-written disclosure  P : intermediate document </div>		<div> T : theory or principle underlying the invention  E : earlier patent document, but published on, or after the filing date  D : document cited in the application  L : document cited for other reasons </div> <div>&amp; : member of the same patent family, corresponding document</div>	

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Application Number  
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<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons &amp; : member of the same patent family, corresponding document</p>			

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**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.  
The members are as contained in the European Patent Office EDP file on  
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